

Plaslube® ABS/PBT GF15

Acrylonitrile Butadiene Styrene + PBT

Techmer Engineered Solutions

Message:

Plaslube® ABS/PBT GF15 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product filled with 15% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

| General Information | | | |
|-------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,15% Filler by Weight | | |
| Appearance | Colors Available | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.33 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.12 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 86.2 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.0 | % | ASTM D638 |
| Flexural Modulus | 5240 | MPa | ASTM D790 |
| Flexural Strength | 128 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 64 | J/m | ASTM D256 |
| Unnotched Izod Impact (3.18 mm) | 400 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 205 | °C | |
| 1.8 MPa, Unannealed | 185 | °C | |
| CLTE - Flow | 2.9E-5 | cm/cm/°C | ASTM D696 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 1.0E+16 | ohms · cm | ASTM D257 |
| Dielectric Strength ¹ | 18 | kV/mm | ASTM D149 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.50 mm) | HB | | UL 94 |
| NOTE | | | |

1. Method A (Short-Time)

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

